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612.45082X00

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ANTONELLI, TERRY STOUT & KRAUS, LLP  
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12/29/2006 FMETEK12 00000089 10538089

01 FC:1501 1400.00 OP  
 02 FC:1504 300.00 OP  
 03 FC:8001 12.00 OP

Ricardo E. Perez (Depositor's name)  
 Ricardo Perez (Signature)  
 12/29/2006 (Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/538,089	06/08/2005	Isabelle Rey-Fabret	612.45082X00	6737

**TITLE OF INVENTION: METHOD FOR MODELLING HYDRODYNAMIC CHARACTERISTICS OF MULTIPHASE FLOWS USING NEURONAL NETWORKS**

APPL. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE (S) DUE	DATE DUE
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Nonprovisional	NO	\$1400	\$300	\$1700	01/12/2007
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EXAMINER	ART UNIT	CLASS-SUBCLASS
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LO, SUZANNE	2128	703-009000
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1. Change of correspondence address or indication of "Fee Address": (37 CFR 1.365).

Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  
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2. For printing on the patent front page, list

(1) the names of up to 3 registered patent attorneys 1 ANTONELLI, TERRY, STOUT AND KRAUS, LLP.  
 Or agents OR, alternatively,  
 (2) the name of single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed no name will be printed.

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PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

INSTITUT FRANCAIS DU PETROLE

82852 RUEIL MALMAISON CEDEX, FRANCE

Please check the appropriate assignee category or categories (will not be printed on the patent):  Individual  Corporation or other private group entity  Government

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5. Change in Entity Status (from status indicated above)

a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.  
 b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid Issue Fee to the application identified above.

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Authorized Signature

Date: DECEMBER 29, 2006

Typed or printed name Alan E. Schiavelli

Registration No. 32,087

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**FACSIMILE TRANSMITTAL SHEET**  
**DECEMBER 29, 2006**

TO: Mail Stop Issue Fee  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

RE: U.S. Patent Application No. 10/538,089  
For: METHOD FOR MODELLING HYDRODYNAMIC CHARACTERISTICS OF MULTIPHASE FLOWS  
USING NEURONAL NETWORKS  
Filing Date: 06/08/2005  
Atty. Docket No. 612.45082X00

From: Alan E. Schiavelli

Fax Number: (571) 273-2885

**Total Number of Pages: 3**

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I hereby certify that on DECEMBER 29, 2006, the above-identified documents are being  
facsimile transmitted to the United States Patent and Trademark Office.

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Signature